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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- (Cancelled)
- 2. (Currently amended) A computer system, comprising:
 - a host processor;
 - an input device coupled to said host processor; and
 - a bridge coupled to said host processor, said bridge couples together a first bus and a second bus;

wherein said bridge drives a signal on the first bus if said signal is being actively driven by a device coupled to the second bus, but not if said signal is only being actively driven by a device coupled to the first bus and The computer system of claim 1 wherein said bridge includes a comparator to drive said signal, said comparator has one input coupled to a threshold and another input coupled to the signal from both the first and the second bus.

- 3. (Original) The computer system of claim 2 wherein said threshold is set at a level between the level at which a device on the first bus would cause said signal to be driven to and the level at which a device on the second bus would cause said signal to be driven to.
- 4. (Original) The computer system of claim 2 wherein said bridge includes a comparator for each signal on each of said first and second buses, each comparator used to drive a signal on one of the buses if such signal is being actively driven by a device coupled to the other of said buses, but not if the signal is only being driven by a device coupled to the bus having the signal being driven by the comparator.

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- 5. (Original) The computer system of claim 4 wherein the bridge includes a logic gate coupled to each comparator, said logic capable of being disabled by an enable signal to disable the bridging function of the bridge.
- 6. (Original) The computer system of claim 4 wherein said bridge includes a resistor which causes the voltage level of a signal actively driven by a device coupled to the first bus to be different than when that same signal is actively driven by a device coupled to the second bus.
- 7. (Currently amended) The computer system of claim 12 wherein said first and second buses comprise buses on which more than one device can actively and concurrently drive a signal on the buses.
- 8. (Currently amended) The computer system of claim 42 wherein said first and second buses comprise I²C buses.
- 9. (Currently amended) A bridge device coupling together a first bus and a second bus, each bus having a plurality of bus signals that are similar to bus signals found on the other bus and each bus being capable of being coupled to a bus device, comprising:
 - a plurality of comparators, each comparator causing a signal on one of the buses to be driven; each of the plurality of comparators having a first input and a second input, a threshold voltage coupled to the first input of each of the plurality of comparators and the second input of each of the plurality of comparators is coupled to a one of the plurality of similar bus signals from both said first and second buses.

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- 10. (Original) The bridge device of claim 9 wherein each comparator causes a signal on one of the buses to be driven if that signal is being actively driven by a bus device coupled to the other of said buses, but not if the signal is only being actively driven by a bus device coupled to the bus having the signal being driven by the comparator.
- 11. (Currently amended) The bridge device of claim 9 wherein said threshold voltage of each comparator is set at a level between the level at which a bus device on the first bus would cause said one of the plurality of similar bus signals to be driven to and the level at which a bus device on the second bus would cause said one of the plurality of similar bus signals to be driven to.
- 12. (Original) The bridge device of claim 9 wherein the bridge includes a logic gate coupled to each comparator, said logic gate capable of being disabled by an enable signal to disable the bridging function of the bridge.
- 13. (Original) The bridge device of claim 9 wherein said first and second buses comprise buses on which more than one device can actively and concurrently drive a signal on the buses.
- 14. (Original) The bridge device of claim 9 wherein said first and second buses comprise I²C buses.
- 15. (Original) A method of bridging two buses together, comprising:
 - (a) comparing the voltage level of a bus signal coupled to both buses to a threshold level:
 - (b) determining which bus is actively driving said bus signal; and
 - (c) asserting said bus signal on one of the buses if such signal is being actively driven by the other of said buses.

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- 16. (Original) The method of claim 15 wherein said buses include a plurality of signals and (a), (b) and (c) are performed for each of said signals.
- 17. (Original) The method of claim 15 wherein said buses comprise I²C buses.
- 18. (Currently amended) A computer system, comprising:
 - a host processor; and
 - a bridge coupled to said host processor, said bridge couples together a first bus and a second bus, said bridge including a plurality of cross-coupled comparator units that determine includes a means for determining whether a the first or second bus is actively asserting a bus signal and driving said signal on the other of said first or second buses.
- 19. (Original) A bridge interconnecting two buses including a plurality of cross-coupled comparator units that determine which bus is actively driving a bus signal or whether both buses are actively driving said bus signal.